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Wisconsin Department of Commerce

Evaluation #

New Product # 20069008
Replaces 200608-O

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2658
Madison, WI 53701-2658

Wisconsin
Building Products Evaluation

Material	DrainBoard™ Drainage and Insulation Board
Manufacturer	Roxul, Inc. 551 Harrop Drive Milton, ON L9T3H3

SCOPE OF EVALUATION

GENERAL: This report evaluates DrainBoard™ foundation drainage and insulation board manufactured by Roxul, Inc., as a **supplement** to code required drainage systems at below ground foundation walls.

The **Comm** requirements below in accordance with the current **Wisconsin Uniform Dwelling Code for 1- and 2-family dwellings:**

- **Foundation Drainage:** DrainBoard™ foundation drainage and insulation board was evaluated in accordance with the requirements of **s. Comm 21.17.** See LIMITATIONS OF APPROVAL section.

The **IBC** requirements below in accordance with the current **Wisconsin Amended ICC Code:**

- **Foundation Drainage:** DrainBoard™ foundation drainage and insulation board was evaluated in accordance with the requirements of **s. IBC 1806.4.2.** See LIMITATIONS OF APPROVAL section.

DESCRIPTION AND USE

The DrainBoard™ product is a water repellent, rigid mineral wool insulation board, designed as a fibrous foundation drainage system that supplements code required drainage systems at below ground foundation walls. Its non-directional fiber structure allows the boards to be installed either horizontally or vertically. The board comes in 1-, 1-1/4- and 2-1/2 inch thickness, in 3’ x 4’ or 4’ x 6’ sheets with a 8 lbs/ft^3 density.

TESTS AND RESULTS

- Testing in accordance with ASTM C 612, Mineral Fiber Block and Board Thermal Insulation, Type IVB, complies.

- Testing in accordance with ASTM E 84(UL 723), Surface Burning Characteristics, Flame Spread = 0, Smoke Developed = 5.

- **Fire Performance** testing in accordance with ASTM ASTM C 1104, Moisture Sorption, 0.04%.

- **Compressive Resistance** testing in accordance with ASTM C 165, at 10% deformation, 37.4 kPa (781 lbs/ft^2), at 25% deformation, 50.6 kPa (1057 lbs/ft^2).

- **Corrosive Resistance** testing in accordance with ASTM C 665, Corrosiveness to steel, passed. ASTM C 795, Stainless Steel Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications, conforms.

- **Thermal Performance** testing in accordance with ASTM C 518 (C 177), R-value/inch @ 75° F, **4.3** hr.ft^2.F/Btu.

LIMITATIONS OF APPROVAL

The **Comm** limitations below are in accordance with the current **Wisconsin Uniform Dwelling Code for 1- and 2-family dwellings:**

- **Foundation Drainage:** DrainBoard™ foundation drainage and insulation board shall be installed as a **supplement** to conventional (**CODE REQUIRED**), sand or gravel covered drain pipes in accordance with the requirements of **s. Comm 21.17.**

The **IBC** limitations below are in accordance with the current **Wisconsin Amended ICC Code:**

- **Foundation Drainage:** DrainBoard™ foundation drainage and insulation board shall be installed as a **supplement** to conventional (**CODE REQUIRED**), sand or gravel covered drain pipes in accordance with the requirements of **s. s. IBC 1806.4.2.**

The DrainBoard™ foundation drainage and insulation board shall be installed in accordance with the manufacturer's installation instructions and this evaluation.

This approval will be valid through December 31, 2011, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The product approval is applicable to projects approved under the current edition of the applicable codes. This approval may be void for project approvals made under future applicable editions. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:
Approval Date: August 9, 2006 By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau